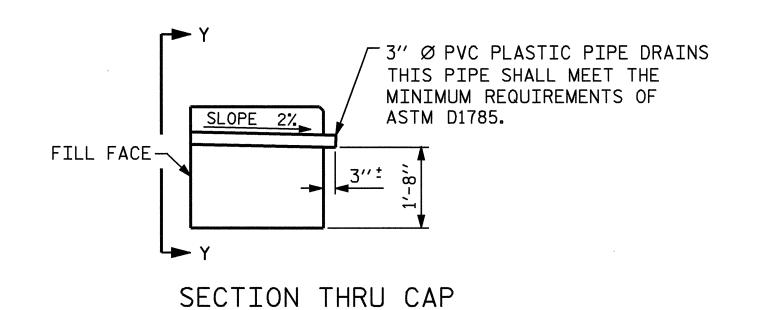
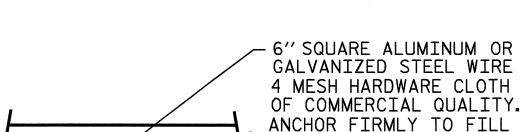


PILE SPLICE DETAILS



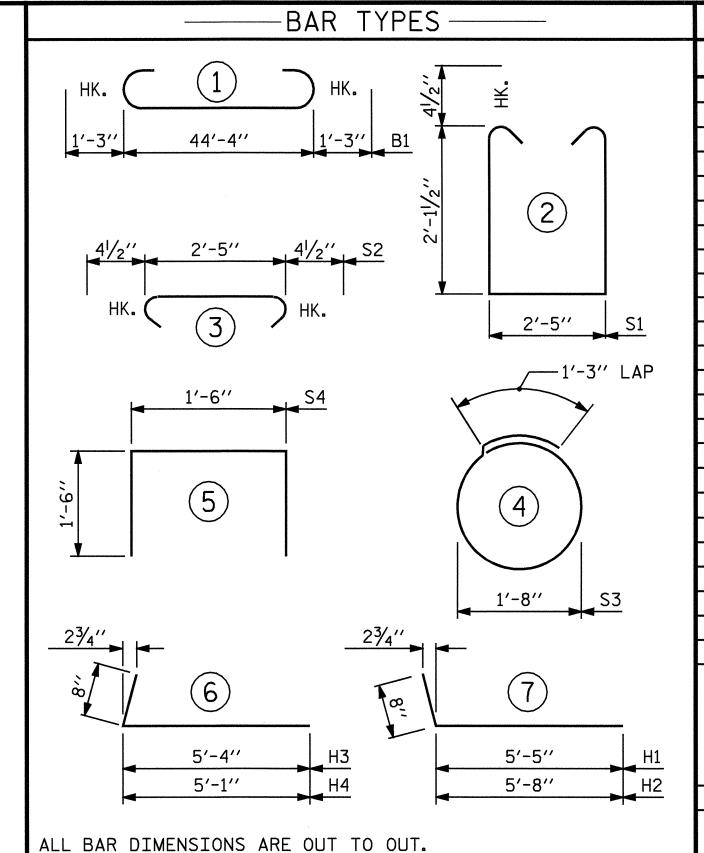


4 MESH HARDWARE CLOTH OF COMMERCIAL QUALITY. ANCHOR FIRMLY TO FILL FACE.

NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PLASTIC PIPE DRAINS, HARDWARE CLOTH AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

VIEW Y-Y

PIPE DRAIN DETAILS



BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	46′-10′′	1274
B2	4	#5	STR	44'- 6''	186
В3	8	#4	STR	23'- 5''	125
B4	11	#4	STR	2'- 5''	18
D1	24	#6	STR	1'- 6''	54
H1	6	#4	7	6'- 1''	24
H2	6	#4	7	6'- 4''	25
Н3	6	#4	6	6'- 0''	24
H4	6	#4	6	5'- 9''	23
H5	12	#4	STR	3′- 5′′	27
S1	56	#4	2	7′- 5′′	277
S2	56	#4	3	3'- 2''	118
S3	14	#4	4	6'- 6''	61
S4	4	#4	5	4'- 6''	12
V1	20	#4	STR	4'- 5''	59
V2	20	#4	STR	4'- 6''	60
REINFORCING STEEL = 2367 LBS					

CLASS A CONCRETE

POUR #1 (CAP & WINGS) = 12.4 C.Y.

POUR #2 (WINGS) = 1.4 C.Y.

POUR #3 (LATERAL GUIDES) = 0.1 C.Y.

TOTAL CLASS A CONCRETE = 13.9 C.Y.

HP 12 X 53 STEEL PILES

NO. 7 175 LIN. FT.

MINIMUM OF 3- ONE CUBIC
FOOT BAGS OF #78M STONE.
BAGS SHALL BE OF POROUS
FABRIC, SECURELY TIED.

6"(MIN.) PIPE
FOR DRAINAGE

GRADE TO DRAIN
TOE OF SLOPE

TOE OF SLOPE

MINIMUM OF 3- ONE CUBIC
FOOT BAGS OF #78M STONE.

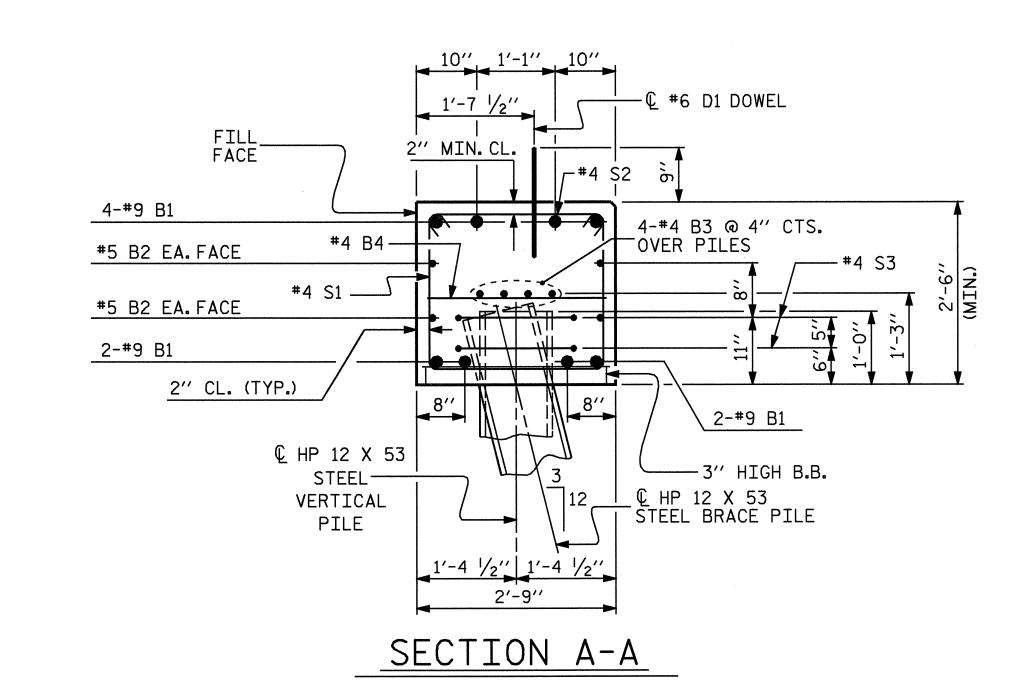
6"(MIN.) PIPE
FOR DRAIN
TOE OF SLOPE

BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



PROJECT NO. B-2963

DURHAM COUNTY

STATION: 29+92.50-L-

SHEET 3 OF 3

SEAL 23926

Bilal

9/29/03

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

SUBSTRUCTURE END BENT 2

REVISIONS

BY: DATE: NO. BY: DATE: S-29

3 TOTAL SHEETS
32

DRAWN BY: William J. Parker DATE: 06/05/02
CHECKED BY: J. KHARVA DATE: 9/19/02